PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220 Il as, where applicable, item 5 below.
05511193WO01	AOTION	
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/JP2005/020397	01/11/2005	10/11/2004
Applicant .		
CANON KABUSHIKI KAISHA		
This international search report has been according to Article 18. A copy is being tra	prepared by this International Searching Auth ansmitted to the International Bureau.	ority and is transmitted to the applicant
This international search report consists o	f a total of sheets.	·
· —	a copy of each prior art document cited in this	s report.
Basis of the report		
	international search was carried out on the ba	sis of:
X the International a	upplication in the language in which it was filed	i ,
	e international application into rnished for the purposes of international searc	, which is the language th (Rules 12.3(a) and 23.1(b))
b. With regard to any nucleo	otide and/or amino acid sequence disclosed	in the international application, see Box No. I.
2. Certain claims were four	nd unsearchable (See Box No. II)	
3. Unity of invention is lack	king (see Box No III)	
4. With regard to the title,		
X the text is approved as su	bmitted by the applicant	
	hed by this Authority to read as follows:	
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5. With regard to the abstract,		
the text is approved as sui		the and annual in Day No. 10. The analysis
	hed, according to Rule 38.2(b), by this Authori m the date of mailing of this international sear	
6. With regard to the drawings,		
	ublished with the abstract is Figure No. 2	
X as suggested by ti	ne applicant	
as selected by this	s Authority, because the applicant failed to sug	ggest a figure
as selected by this	s Authority, because this figure better characte	erizes the invention
b. none of the figures is to be	published with the abstract	

Form PCT/ISA/210 (first sheet) (April 2005)

International application No.

INTERNATIONAL SEARCH REPORT

PCT/JP2005/020397

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A recording head including outlets (100a,100b) disposed in a staggered pattern so that the distances from an ink inlet (500) to the outlets differ alternately for adjacent outlets. A recording head includes an outlet group including a plurality of outlets on at least one side of an ink inlet. The outlet group includes first outlets (100a) and second outlets (100b), wherein the distance from the ink inlet to the first outlets differs from the distance from the ink inlet to the second outlets. First recording elements (400a) and second recording elements (400b) including heat resistors are provided. The first recording elements and second recording elements correspond to the first outlets and the second outlets, respectively, and are disposed in first ink channels and second ink channels, respectively. The first recording elements are rectangular, whereas the second recording elements are substantially square.

INTERNATIONAL SEARCH REPORT

international application No PCT/JP2005/020397

A CLASS	IFICATION OF SUBJECT MATTER						
A. CLASSIFICATION OF SUBJECT MATTER B41J2/14							
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	o International Patent Classification (IPC) or to both national classific	cation and IPC					
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Electronic d	lata base consulted during the international search (name of data ba	ase and, where practical, search terms used					
EPO-In	ternal, WPI Data						
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C. DOCUM	ENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where appropriate, of the re	levant passages	Relevant to claim No.				
Α	EP 1 308 284 A (HEWLETT-PACKARD (COMPANY)	1-8				
	7 May 2003 (2003-05-07)	,					
	paragraphs '0050! - '0056!; figu	res 7,8					
Α	EP 0 691 204 A (HEWLETT-PACKARD (COMPANY)	1-8				
	10 January 1996 (1996-01-10)						
	abstract; figure 7						
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,,	26 June 2003 (2003-06-26)						
	paragraph '0043!; figure 5						
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Furth	er documents are listed in the continuation of Box C.	X See patent family annex.					
 Special ca 	ategories of cited documents:	*T* later document published after the inter	national filing date				
	nt defining the general state of the art which is not	or priority date and not in conflict with t cited to understand the principle or the	he application but				
	ered to be of particular relevance ocument but published on or after the international	invention	simual invention				
X document of particular relevance; the claimed invention filing date *L* document which may throw doubts on priority claim(s) or *L* document which may throw doubts on priority claim(s) or *L* document which may throw doubts on priority claim(s) or *L* document which may throw doubts on priority claim(s) or							
which is	s cited to establish the publication date of another	"Y" document of particular relevance; the cl	aimed invention				
	or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or	cannot be considered to involve an involve an involve document is combined with one or more	entive step when the				
other m	neans	ments, such combination being obviou in the art.					
	nt published prior to the international filing date but an the priority date claimed	*&* document member of the same patent to	amily				
Date of the a	ctual completion of the international search	Date of mailing of the international seam	ch report				
22	Prebruary 2006	02/03/2006					
Name and mailing address of the ISA/		Authorized officer					
	European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk						
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	Fax: (+31-70) 340-3016	Numanek, F	1				

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Information on patent family members

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